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|  | **VEDANTA LIMITED –**  **VALUE ADDED BUSINESS** | **Format No.:** | **FRMT/MR/10** |
| **INTEGRATED MANAGEMENT SYSTEM** | **Revision Date:** | **10.07.2023** |
| **HAZARD IDENTIFICATION** | **Revision No.:** | **03** |
| **Page No.:** | **1 of 1** |

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| **Departmental Use Only** | |
| **Revision No: 02** | **Unit: PID I** |
| **Revision Date: 10.07.2023** | **Dept.: Production** |

A. Work activity information

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| **Sr.No.** | **Details** | **Remark** |
| 1) | Task being carried out, their duration and Frequency: | Blast Furnace core drilling  During capital repair of furnace |
| 2) | Location (s) where the work is carried out. | BF1, BF2 Furnace |
| 3) | Who normally/occasionally carried out the task? | Contractor work men, company workman,  Engineer In charge |
| 4) | Who else may be affected by the work (For example visitors, subcontractors the public) | No man other than working |
| 5) | a) Has the personnel trained for performing the task  b) Any special training required | Yes  Yes, special training required |
| 6) | Is the written systems of work mandatory? If yes state, the procedure no. | Yes.  VL/IMS/PID1/PROD/WI/04 |
| 7) | Is the work permit required for the task? | Required |
| 8) | Plant and machinery that may be used:  Eg : crusher, conveyor, crane, heavy earthing equipment, Truck etc, | nil |
| 9) | Any electrically operated hand tools are used | No |
| 10) | Manufacturers or supplier’s instructions for operation and maintenance plant machinery and powered hand tools are available or not: | Nil |
| 11) | Chain block, tools and shackles such as wire rope, hydraulic jack etc are used. | NA |
| 12) | What materials are handled? Size, shape, surface character and weight of materials that may be handled: | NA |
| 13) | Is the material is required to be moved by hand. If yes Distance and heights of the place where materials have to move by hand. | No |
| 14) | Services used Eg: compressed air, oxygen, acetylene,  LPG gas, hydraulic oil, welding electrode for welding | Compressed air for ventilation, cleaning |
| 15) | Physical form of substances encountered during the work (For example fume, gas, vapour, liquid, dust/powder, solid): | Gas presence if exists. |
| 16) | Content and recommendations of safety data sheets relating to substances used or encountered:  (This is applicable in case of chemical material) | NA |
| 17) | a) Relevant acts, regulations and standards relating to the work being done, the plant and machinery used, and the materials used or encountered:  b) Is the activity is reviewed for compliance to statutory requirement | Factory Act 1948 and Goa factory Act 1985-SRR/16         No |
| 18) | What is the data (s) required to be monitored during the activity and the frequency of monitoring? | nil |
| 19) | Any information available from within and outside the organization on incident, accident and ill health experience associated with the work being done, equipment and substances used: | No |

2. From the above activity information hazards are to be identified and recorded below using Appendix 'A' of SP/41

**Hazards identified**

1. BF Gas poisoning.
2. Contact with hot metal, hot coke, dust, graphite, fire.
3. Catch of fire at core drilling point.
4. Explosion inside the furnace due to water leakages.
5. Contact with fumes, hot water.
6. Dust inhalation from castable powder.
7. Electric shock while operating the electric drilling Machine.
8. Human Behaviour - Improper operation of the electric drilling Machine
9. Improper working platform
10. Use of improper tools

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| **Prepared By:** | **Reviewed By:** |
| **Signature:** | **Signature:** |
| **Review Date: 10.07.2023** | **Review Date: 10.07.2023** |